PATENT ABSTRACTS OF JAPAN

(11)Publication number :   10-206887

(43)Date of publication of application : 07.08.1998

(51)Int.Cl.
```
G02F  1/1343
G02F  1/133
G02F  1/1335
G09F  9/30
```

(21)Application number : 09-010691

(22)Date of filing : 23.01.1997
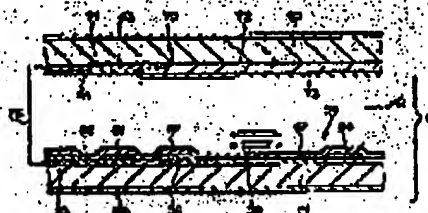
(71)Applicant :   FURONTETSUKU:KK

(72)Inventor :   SHIN GENKOU
                    SAI MOTONARI
                    TAKASHINA KOJI

(54) LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract

PROBLEM TO BE SOLVED: To provide a liquid crystal display device which can increase an aperture ratio while having high field angle characteristics of constitution that drives liquid crystal with a lateral electric field.

SOLUTION: A liquid crystal layer 42 is arranged between a couple of substrates 40 and 41 and more than one pixel electrode 54 and a common electrode 53 which applies an electric field to the liquid crystal along the substrate surface in cooperation with the pixel electrodes are formed on the opposite surface of one substrate so that pixel areas 60 are formed. Then a conductive black matrix 71 which has openings 70 corresponding to the display areas of the respective pixel areas and cover a non-display area other than the pixel areas is provided on the opposite surface of the other substrate, and the black matrix is held at nearly the same potential with the common electrode. Further, a conductive film can be provided in addition to the black matrix and held at nearly the same potential with the common electrode.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]